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(54) **METHOD FOR TREATMENT OF CANCER WITH COMBINATION OF COLD ATMOSPHERIC PLASMA AND A GENE INHIBITOR**

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(57) **ABSTRACT**

A method for treating cancer. The method comprises treating a patient having a cancerous tumor with a gene inhibitor pre-operatively to inhibit upregulation of a particular gene, surgically removing the cancerous tumor, treating the patient with the gene inhibitor intra-operatively to inhibit upregulation of a particular gene, applying cold atmospheric plasma to surgical margins around the area in the patient from which the tumor was surgically removed, and treating the patient with the gene inhibitor post-operatively.

**Specification includes a Sequence Listing.**

